ON SOME MAMMALS COLLECIED BY MR. ALBERT MEEK ON FERGUSSON ISLAND, D'ENTRECASTEAUX GROUP.

が OLDFlELD THOMAN.


#### Abstract

THE mammals the which the following notes are based were obtained ly Mr. Abert Meek, when collecting on Fergnsson 1sland, the largest of the D'Entrecasteaux gromp, a locality whence very few mammals have erer previouly beeu bronght. Both for this reason and on account of their inkerent interest, they deserve a commeted notice. Twelve species are repremented, of which threr prove to neefl mew names, specific or subneweitic.


## 1. Pteropus hypomelanns Temm.

One anciluch.

## ㄹ. Cephalotes peronii (imoff.

One specimen.

## 3. Uronycteris* major Dols.

Three alrecimpas.
A skull of this species was obtaned on Goodrnough lshand, alse in the D'Entrecastean group, ly Mr. Pasil Thomson in 1889, and [mented by him to the Imitish Musemin.

## 4. Carponycteris* crassa -1. 1101.

One anmecimen.
Size equalling or exceeding that of $\ell$. minimus. Form stonter, but poprortions of head and structure of muzzle as in $C$. anstrutis. General colour dull fawn aborn and below, without any rufons ur fulvons suffision. Interfemoral mombrane and calcars practically obsolete, whelly luried in the thick fur of the uper and imner sides of the lower leg; the moadest part of the membrane, just inside the knre, is less than : mm . broad, while the almont murecugnisable calcar is at most about 1.5 mm . long.
skull comparatively broad and stontly buitt; the postorbital processes well developed. The lower jaw enpecially stout and strong.
$\mathrm{U}_{\mathrm{P} \text { per incisors large and long, suberpal, placed in an esen emed serfion the }}$ median pair nearer to each other than to the outer ons. ('luek-teeth very miform in size and form, the anterior premolar scarcely smatler than the others, and the diastema leflind it not or scarcely longer than those separating the other teeth. In the lower jaw the sane description applies exactly, excent that the median incisor: are much smaller than the outer ones, and amost tonch eath other.

Dimensions of the type, an adult mule in sinit: - Head and borly To mun.; war 135 ; forearm 47 ; lower $\operatorname{leg} 195$. Skull, basal length 215 ; greatest meadth $1 \%$ : interorbital hreadthat 6.1 tip to tip of pustorhital processes 122 ; greatost lowight of lower jaw from top of coronoid! !?

[^0]Althongh superticially sery like the other two peries, C. crasse may be readily recognised by its reduced interfemoral membane and calcars, and by the tifferent proportions of its incisors and anterior premolars.

Thye in the British Nuseum. No. 98.5.8.2

## $\therefore$ Vesperugo papuanus l'et. © Hor:

several sjecimens.

## (i. Chiruromys pulcher if. nuv:

lather Jarger than ('h. forbest ; porortions as in that plecies. Fur Jonger and softer, the lairs in the middle of the back about 151016 mm . in length. General colour above soft rufous fawn, reldening posteriorly into deep ferruginons. An illdefined blackish band rumning from the sides of the muzale backwards to surromed the eye; no lighter spot behind the eye. Ears naked. lips whitish. L'nter surface hright reddish, the hairs whiter towards their hases. I'per surface of hands aud feet whiti:h. Tail clothed with the woolly rufons body fur for nearly an inch, the remainder hrown, scaly, and practically naked as in C'h. forbesi; the smooth prehemile terminal portion just as in the older-known species. P'alate-ridges and mamman as in Ch. forbesi.
skill on the whole fairly similar to that of Cho fortesi. The pereuliar rightangled spring of the anterior zygoma root is, however, less strongly marked; the upper profile is more howed, an effect which is inereased ly the supraorbital edges: heing more developed vertically. l'alate ending opporite the middle of, instead of behind, the last molar.

Nolar: rather broader and heavier than in (\% forbesi; their pattem on the whole very simitar, but there appears to be a tendency to an even greater crenulation of the cutips ant ridges.

Dimensions of the type, an adult male in spirit :- 11 oad and hody 1.53 mm. ; tail 205 ; hind-foot 33.7 ; ear $173 \times 121$. Skull, basal length 34.5 ; greatest lireadth 225 ; nasals, length 12; interorbital breadth 6; interbarietal, length 4.7 , broadth $11 \cdot 1$; palate, length $18 \cdot 5$; palatal foramina 5 ; diantemat $11 \times 2$; Jength of mper molar series 57.

Type in the Rrilish 1 /usenm. B. M. No. 9.5.s.s.5. Pernctype in the Tring Muserm.

This very beantifnlly coloured hat is a most interesting discovery, as no representative of the genns Chiruromys has been met with, so far as I know, since my description of the genus and typical species seven yoms ago.* That typical species. Ch. forbesi, came from sogere in the twen Stanley Mountains. S.l. New (iuinea, and the discovery of a ditlerent but allied specios in the I'lintreatestux Islands is therefore not unnatural.

The essential characters of the genus, its peculiar molar-strncture, and its prehensile tail have been fully dealt with in the orgimal description, and it need only here be said that Ch. puleher agrees with C\%, forbest in ewery character of any importanee, while its very thllerent eoloration shows that as a species it is entirely distinct.

## 7. Mus sp.

Gue immature precimen.
Behongs to the d. ephippium grotp, but is too yonng for determination.

## 8. Uromys macropus (ir. (\%).

One young spuecinimen.
From the entirely unwom state of its incisors, amal the fact that nome ol its molars had cut the gum, it is probable that this specimen was still suckling. Its determination is of course most dunbtful, but its palate-ridges, tail-coluration, and *ize appear to be much as in $U$. mencoons. ()n the other hand, in the peculian structure of its anterior palate it shows some resemblance to Comilurus hirsubus (iould.

## 9. Petaurus breviceps Wateril.

Ten sperimens.

## 10. Dactylopsila trivirgata "iray.

One specimen.

## 11. Phalanger orientalis intercastellanus -ubsp. uov.

Four nearly or çuite adult arecimens, and six foetnses.
Before describing this subspecies it may first be observed that I nuw believe I Wats wrong in stating * that the sknll of Ith orientulis breviceps only differed from that of the typical variety by its smaller size, as there are several other tlifferential characters, among which the direction and development of the supraorbital ridges are specially noteworthy. In Ph. breviceps (as, raising it to the rauk of a species, I now think it should be called) the ridges are practically atike in the two sexes, remaining in both parallel throughout lile; their development is vertical, not ontwards. Sinch rudimentary postorbital proceses as are present do not overhang the orbits proper, hat only the anterior part of the sides of the brain-case. On the other hand, in 1 H . arientalis there is a markerl difference between the sexes, the ridges of the fomule leing comparatively weak and practically parallel, white those of the molle develop untwards aud upwards into strong triangular projections overhanging the orbits aud corresponding to postorbital proceses. In the lower jaw the cormoid proress of $1 / h$. breviceps is developed hackwards into a warp enred popjection, longer and more printed than in Plo orientelis.

Bearing these facts in mind, the D'Entrecastean representative of the group may be hriefly tliagnosed at lollows:--

Colvor and character of fur as in ordinary grey examples of Pho. typictes. Dorsal streak present. Nize scarcely greater than in Ph, breviceps. Lower jaw and structure of sumaormital region ats in typicus (at leant so far as the mole is roncemed). Widdlet mper premolar obsolete or decidwous. For proportions of theth aee tha measurements given below, as compared with those in the 'atalugue.
 rejected beeause antedaterl by Phalungixtu ulhat E. Geoff., $C^{*} \alpha$ t. Mus., $\mathrm{p} .14 \mathrm{~s}, 1803$. This later work, howaver, is now known to be merely the proof of a book which was never pablished, and is therefore gait. invalid, and should mot be quoted. Geotlrey's Museum name aiber for the albino varicty of the grey (hacks proves however to have been validly published by Desmarest (.1/amm, 1., p. 26, 1 , 420 ) in the form "phalanyista rkfu var. alba frenfi.; so that the name breziceps remains unaffected by lecson's ate of - albus" for the New lieland C"uscus.
$f$ In view of the entire revolution that hats taken face in our ideas of dental origin and lumulogies during the last seven years, it seems hetter for systematie pmposes to usc the terms "anteriop"," " middle," and "posterior" for the thre Marsupial premolars, withont attempting to homologise them imdividnally with those of "lacental Mammal".


[^0]:    

